



Mineral Processing Division
400 South 100 East • Enery, Utah 84122 USA
(435) 286-2460 • FAX (435) 286-2471

5/05/090

PLEASE DELIVER A.S.A.P.

TO PAUL BAKER FROM BILL RUEHMAN
COMPANY _____ DATE _____
FAX# _____ TIME _____ (GMT)
OF PAGES (INCLUDING COVER) 13 (If you do not receive all pages please call number above)

IF YOU NEED ANYTHING PL'S CALL

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JAN 17 2002

DIVISION OF
OIL GAS AND MINING

Form MR-SMO
(Revised 8/12/99)

This Section for DOGM Use:

Assigned DOGM File No.: S 1051090DOGM Lead: PBB

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1594 West North Temple Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
(801) 538-5291
Fax: (801) 359-3940

*Project changed from
exploration 8/05/00.
Fee transferred from
that file to this SMO.*

NOTICE OF INTENTION TO COMMENCE SMALL MINING OPERATIONS

The informational requirements of this form are based on provisions of the Mined Land Reclamation Act, Title 40-8, Utah Code Annotated 1987, and the General Rules as promulgated under the Utah Minerals Regulatory Program.

"Small Mining Operations" means mining operations which disturb five or less surface acres at any given time.

I. GENERAL INFORMATION (Rule R647-3-104)

1. Name of Mine: THE ROCKLAND MINE
2. Name of Operator/Applicant: TRC
Company () Corporation ☒ Partnership () Individual ()
3. Permanent Address: 12320 E SKELLY DR
City: TULSA State: OK Zip Code: 74128
Telephone Number: (918) 437 7310 Fax: 918 492 9541
4. Ownership of Land Surface:

Private (Fee) ☐ Public Domain (BLM) ☐ National Forest (USFS) ☐
State Trust Land/School Sections ☒ State Sovereign Lands ☐
Other (please describe): _____

Name _____	Address _____
Name _____	Address _____
Name _____	Address _____
Name _____	Address _____

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5. Ownership of Minerals:Private (Fee) ☐ Public Domain (BLM) ☐ National Forest (USFS) ☐State Trust Land/School Sections ☒ State Sovereign Lands ☐

Other (please describe): _____

Name _____	Address _____
Name _____	Address _____
Name _____	Address _____
Name _____	Address _____

Utah Mining Claim Number(s): _____

Utah State Lease Number(s): MINERAL LEASE # 45717Name of Lessee(s) THE ROCKLAND CORP

6. Have the above surface and mineral owners been notified in writing?

Yes ☒ No ☐

If no, why not? _____

Please be advised that if State Trust Lands are involved, notification to the Division of Oil, Gas and Mining alone does not satisfy the notification requirements of Mineral Leases upon State Trust Lands. Exploration or mining activity on State Trust Lands requires a minimum of 60 days notice to the Trust Lands Administration prior to commencing any activities. Please contact the School Institutional Trust Lands Administration (SITLA) at (801) 538-5508 for notification requirements.

7. Does the operator have legal right to enter and conduct mining operations on the land covered by this notice? Yes ☒ No ☐II. PROJECT LOCATION & MAP (Rule R647-3-105)

1. Project Location (legal description):

County(ies): _____

1/4, of <u>SE</u>	1/4, of <u>SW</u>	1/4: Section: <u>2</u>	Township: <u>23S</u>	Range: <u>6E</u>
1/4, of _____	1/4, of _____	1/4: Section: _____	Township: _____	Range: _____
1/4, of _____	1/4, of _____	1/4: Section: _____	Township: _____	Range: _____

UTM East _____ (if known) UTM North _____ (if known)

Name of Quad Map for Location MESA BUTTE, UT

2. A topographic base map showing the location of the proposed small mining operation must be submitted with this notice. A USGS 7.5 minute series map is

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preferred. The areas to be disturbed should be plotted in sufficient detail so that they can be located on the ground. It is recommended that the operator also plot and label any pre-existing disturbances in the immediate vicinity that he is not responsible for.

III. OPERATION PLAN (Rule R647-3-106)

1. Type of mining: Surface ☒ Underground ☒
2. Mineral(s) to be mined: HUMIC SHALE
3. Provide a brief description of the proposed mining operation and onsite processing facilities. ROOM & PILLAR MINING

0.39 acres ☐ New Road(s): Length 1400 (ft) Width 12 (ft) APPROX
3.52 acres ☐ Improved Road(s): Length 6675 (ft) Width AVERAGE 23 (ft)
3.91 Total project surface acreage to be disturbed: 4.89 (acres)

Proposed startup date of project (month, year) MARCH 1ST

Proposed completion date of project, if known (month, year) N/A

IV. OPERATION AND RECLAMATION PRACTICES (Rule R647-3-107, 108 & 109)

The reclamation and operation obligation is to keep the area clean and safe, minimize hazards to public safety, return the land to a useful condition, and reestablish at least 70 percent of the premining vegetative ground cover. To accomplish this, the operator will need to perform reclamation concurrently, or at the completion (within one (1) year) of mining:

1. Keep the mining operation in a safe, clean, and environmentally stable condition.
2. Permanently seal all shafts and tunnels to prevent unauthorized or accidental entry.
3. Plug drill holes with a five foot cement surface plug. Holes that encounter fluids are to be plugged in the subsurface to prevent aquifer contamination.
4. Construct berms, fences, or barriers, when needed, above highwalls and excavations.
5. Remove, isolate, or neutralize all toxic materials in a manner compatible with federal and state regulations.
6. Remove all waste or debris from stream channels.
7. Dispose of any trash, scrap metal, wood, machinery, and buildings.
8. Conduct mining activities so as to minimize erosion and control sediment.

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9. Reclaim all roads that are not part of a permanent transportation system.
10. Stockpile topsoil and suitable overburden prior to mining.
11. Stabilize highwalls by backfilling or rounding to 45 degrees or less, where feasible; reshape the land to near its original contour, and redistribute the topsoil and suitable overburden.
12. Properly prepare seedbed to a depth of six inches by ripping, discing, or harrowing.
13. Reseed disturbed areas with adaptable species. (The Division recommends seeding 20 lbs./acre of native and introduced species of grass, forb, and browse seed, and will provide a specific species list if requested.)
14. Plant the seed with a rangeland or farm drill, or if broadcast seeded, harrow or rake the seed 1/4-1/2 inch into the soil - fall is the preferred time to seed.

V. **VARIANCE REQUEST** (Rule R647-3-110)

Yes ☐No ☒

Any planned deviations from Rules R647-3-107, Operation Practices, R647-3-108, Hole Plugging Requirements, or R647-3-109, Reclamation Practices, as summarized above, should be identified below and justification given for the variance request(s).

<u>Item Number</u>	<u>Variance Request Justification</u>

VI. **PERMIT FEE** [Mined Land Reclamation Act 40-8-7(i)]

The Utah Mined Land Reclamation Act of 1975 [40-8-7 (i)] provides the authority for fee implementation which was approved by the Utah Legislature at its 1998 session. Commencing July 1, 1998, the fees are assessed to new and existing notices of intention, and annually thereafter.

Small Mining Notices require a \$100.00 fee which must accompany this application.

VII. **SIGNATURE REQUIREMENT**

I hereby commit to conduct mining operations and to reclaim the aforementioned small mine as required by the Utah Mined Land Reclamation Act (40-8) and the rules as specified by the Board of Oil, Gas and Mining.

Signature of Operator/Applicant:

Name (typed or printed):

Title/Position (if applicable):

Date:

BILL E RUEHMAN
BILL E RUEHMAN
PROJECT SUPERINTENDENT
1-17-02

PLAN OF OPERATION

LEASEE:

THE ROCKLAND CORPORATION
12320 E. SKELLY DRIVE
TULSA, OK 74128

PHONE: 918-437-7310
FAX : 918-492-9546

THE ROCKLAND CORPORATION
MINERAL PROCESSING DIVISION
400 SOUTH 100 EAST
P.O. BOX 656
EMERY, UT 84522

PHONE: 435-286-2460
FAX : 435-286-2471

BILL E. RUETHMAN
VICE PRESIDENT

LEASE NUMBER: 45717

THE ROCKLAND CORPORATION LEASE
IS AS FOLLOWS: T23, R16E, SEC. 2
SE 1/4 OF SW 1/4 INCLUDING 40
ACRES IN EMERY COUNTY UTAH.

THIS HUMIC CLAY LEASE CONSISTS
OF ALTERNATING LAYERS OF
CARBONACEOUS HUMIC MATERIALS
AND IMPURE OXIDIZED COAL WHICH
WERE DEPOSITED 100 MILLION YEARS
AGO IN A VENEER APPROXIMATELY 17
FEET THICK, BETWEEN COAL BEDS
J+I.

REF.: U.S. GEOLOGICAL SURVEY
BULLETIN 628 PAGES 32+33.

VEGETATIVE COVER TO BE REMOVED
WILL BE A SPARSE GROWTH OF
GRASS, A LITTLE SAGE BRUSH,
GREASEWOOD, CACTUS AND PINION.

THE SOURCE OF WATER FOR THIS
VEGETATION IS METEORIC
PRECIPITATION WHICH IS MEAGER
AND QUICKLY CONSUMED BY
EVAPORATION. NO WATER COURSES
OR WATER BODIES ARE PLANNED
TO BE CHANGED

REF: UTAH GEOLOGICAL AND
MINERAL SURVEY MONOGRAPH
SERIES #3, 1972

PLAN FOR STORAGE AND TRANSPORT OF EXPLOSIVES

EXPLOSIVES WILL BE HANDLED
BY AN EXPLOSIVES CONTRACTOR
WHICH HAS NOT BEEN DECIDED
ON AT THIS TIME. DETAILS ON
STORAGE AND TRANSPORT WILL
BE FURNISHED BY US FROM
THEM WHEN A CONTRACTOR HAS
BEEN CHOSEN.

PLAN FOR STORAGE AND DISPOSAL OF SEWAGE

AS DAYS OF MINING WILL BE
LIMITED TO 2 OR 3 DAYS PER
MONTH. PORTABLE TOILETS WILL
BE CARRIED TO AND FROM THE
MINE SITE AND WILL BE
DISPOSED OF AT THE PROCESSING
SITE BY MEANS OF CITY SEWER

TYPES AND SIZES OF HEAVY EQUIPMENT

873 BOBCAT

PICK UP TRUCK

10 WHEEL DUMP TRUCK

METHOD OF MINING WILL BE
HIGH WALL TO GET STARTED
AT WHICH TIME THE SANDSTONE
TOP BECOMES SOLID ENOUGH
TO SUPPORT ITSELF. ROOM AND
PILLAR MINING WILL THEN
BEGIN

HIGH WALL MINING WILL BEGIN
AT THE SE CORNER OF T23S
R6E, SE $\frac{1}{4}$ OF SW $\frac{1}{4}$, WILL BE
10 FEET WIDE AND WILL WORK
IN A WESTWARD DIRECTION
10 TO 20 FEET AND WILL BE
APPROXIMATELY 75 FEET DOWN TO
THE LANDING FLOOR.

OVERBURDEN WILL START OFF AT
75 FEET AND WILL WORK ITS
WAY DOWN TO 55 FEET THICK.

A PORTAL WILL BE
OPENED UP, AND ROOM AND PILLAR
MINING WILL BEGIN. IN DOING
THIS, A LANDING WILL BE PROVIDED
ALLOWING TOP SOIL AND OVERBURDEN
TO BE STORED FOR LATER RECLAMATION
USE AS PER DIV. OF OIL, GAS, & MINING

SUBSTANCES MINED (Humic SHALE)
WILL BE HAULED TO THE PROCESSING
PLANT BY 10 WHEEL TRUCK AS
SOON AS POSSIBLE AND WILL BE
MEASURED IN SUCH A MANNER.

THE ROCKLAND CORPORATION WILL
BE USING COUNTY ROAD #915
PERMIT #200022 ALSO A ROAD
RUNNING SOUTH ALONG SCHOOL
TRUST LAND ONTO BLM LAND
AND BACK TO SCHOOL TRUST
LAND. THEN TURNING WEST. THE
ROCKLAND CORPORATION WILL
NEED TO BUILD A ROAD $\frac{3}{10}$ OF A
MILE LONG 14 FEET WIDE, .34 ACRE.
EAVESMENT AND IMPROVEMENT
APPLICATIONS HAVE BEEN MADE
WITH SITLA AND BLM.

WITH .34 ACRE NEW ROAD AND
APPROXIMATELY 1 ACRE MINE SITE
IT IS OUR HOPE TO KEEP THE
DISTURBED ACREAGE UNDER 2
ACRES AND RECLAIM AS WE GO
ON A YEARLY BASIS.